Government of Saskatchewan

Annual Report 1981-82

Saskatchewan Health Dental Plan

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Saskatchewan Health

Dental

Plan

Report

Eighth Year of Operation

September 1, 1981 to

August 31, 1982

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Department of Health

To the Honourable C. I. McIntosh
Lieutenant Governor of Saskatchewan.

May it please Your Honour:

I beg to present herewith for your consideration the Report of the Dental Plan for the year ending August 31, 1982.

Respectfully submitted,

Graham Taylor,
Minister of Health.

Department of Health

To the Honourable Graham Taylor,
Minister of Health.

Sir:

I have the honour to present herewith the Report of the Dental Plan for the year ending August 31, 1982.

Respectfully submitted,

K. J. Fyke,
Deputy Minister.

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Background

In 1968, the Saskatchewan Department of Health conducted surveys in Regina and Saskatoon which showed that the level of dental health of children in these cities was far from satisfactory. On the basis of the survey results, the Dental Division of the Department of Health proposed that the federal government allocate funds for a dental pilot project in the province. The project was to provide dental health education, preventive services and treatment services to children through a dental team consisting of a dentist, two dental therapists (formerly called dental nurses), three dental assistants and one receptionist recorder.

The dental therapists were formally trained to provide educational, preventive and treatment services to children, including deciduous (baby) tooth extractions and amalgam and composite restorations (silver and tooth-colored fillings) in deciduous and permanent teeth. The three dental assistants were formally trained to provide chairside assistance, simple prophylaxis (cleaning) and topical fluoride.

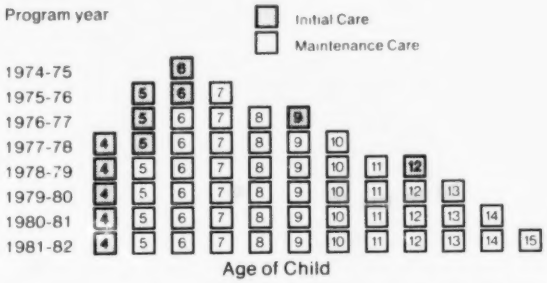
Services were made available to children from 3 to 12 years of age in the Oxbow area of Southeastern Saskatchewan. The dental team was housed in a mobile clinic equipped with four dental units, an X-ray machine, a laboratory and a reception room. The project lasted for three years. It demonstrated that high quality care could be provided by such a program and also that parents were prepared to enroll their children in a dental program in which care was provided by dental therapists. It was important to establish that a dental program making use of dental therapists could be successful because one of the main reasons for testing such a program was the chronic shortage of dentists in the province, especially in the rural areas.

On the basis of the successful Oxbow project, the Government of Saskatchewan announced in March 1972 that a province-wide, school-based dental program would be established to provide comprehensive dental care to children between the ages of three and twelve. The program commenced in September 1974. With the cooperation of the Department of Education and local school boards, dental clinics have been located in schools to make access more convenient for children and parents.

Children have been enrolled as follows:

Enrollment Date	Year of Birth
September 1974	1968
September 1975	1969, 1970
September 1976	1967, 1971
September 1977	1972
February 1978	1973
September 1978	1974, 1966
September 1979	1975
September 1980	1976
September 1981	1977

Phase in Schedule



Health Region No. 1 in Swift Current had a Dental Program for almost 30 years. The program had been modified to avoid duplication of the Saskatchewan Dental Plan. The Swift Current Regional Health Board provided services to those resident children up to and including 18 years of age who were either too young or too old for enrollment in the Saskatchewan Dental Plan.

With only four age groups remaining it was not economical for this program to continue. Negotiations to absorb the Swift Current Health Region Dental Program were completed and resulted in young people who were Swift Current Health Region residents and born in the years 1963 to 1965 and 1978 becoming eligible for enrollment in the Saskatchewan Dental Plan.

In April 1980 the Department of Health decided that an independent review of the Saskatchewan Dental Plan should be undertaken. Arrangements were made for Dr. D. W. Lewis, Professor and Head of Community Dentistry, University of Toronto, to conduct a thorough statistical evaluation of the first six years of operation of the Saskatchewan Dental Plan.

The major findings of this evaluation were:

1. The proportion of children in Saskatchewan receiving annual dental services is approximately 90%. On the basis of available data, this utilization rate is probably higher than in any other province or state in North America.

2. The program is achieving its objectives of reducing the incidence of dental disease. One quarter of all services rendered annually are preventive in nature, with extractions, pulp treatments, fillings and X-rays per enrollee showing a decline each year.

3. Overall enrollment in the Plan has been high, averaging 83% of eligible children after the initial start up year.

4. Annual cost per enrolled child has dropped dramatically from $163.05 in 1974-75 to $68.00 in 1980-81. These economies have been attained without sacrificing quality, service or utilization.*

5. Parental satisfaction with the Dental Plan is indicated by the results of the 1978 survey of Dental Plan Users and by the continued high enrollment of eligible children by their parents.

The report indicated that although the ultimate test of the Saskatchewan Dental Plan will be how it improves the oral health status of the people of Saskatchewan in the long run, the performance to date gives early indications of the likely achievement of this long term goal.

* These costs differ slightly from the Saskatchewan Dental Plan's calculated costs of $158.29 and $69.02 for the same program years because of the inclusion of the Department of Education costs incurred in establishing clinics.

Organization and administration

Legislative and Regulatory Authority

The Dental Care Act gives the Department of Health authority to operate a dental care program. The act authorizes the Minister to enter into agreements with or to employ dentists, dental therapists and certified dental assistants and do such other things as are necessary for the establishment and operation of the dental care program.

The Saskatchewan Dental Nurses Act, (1973) created a Saskatchewan Dental Nurses Board to estabish and maintain rules for the registration and licensing of dental nurses, to set standards of professional conduct for dental nurses, to advise the Minister of Health on matters referred to the Board and to ensure the regulations and standards of professional conduct were met by all registrants. The first Board was appointed on September 25, 1973.

The Saskatchewan Dental Nurses Act was rescinded and was replaced by **The Dental Therapists Act** in 1981. This Act established The Saskatchewan Dental Therapists Association, changed the name "dental nurse" to "dental therapist" and replaced the Saskatchewan Dental Nurses Board with the Saskatchewan Dental Therapists Council.

The Saskatchewan Dental Therapists Council establishes and maintains rules governing the registration and licensing of dental therapists and sets standards of professional conduct. The council also ensures that the regulations and standards of professional conduct are met by all registered dental therapists.

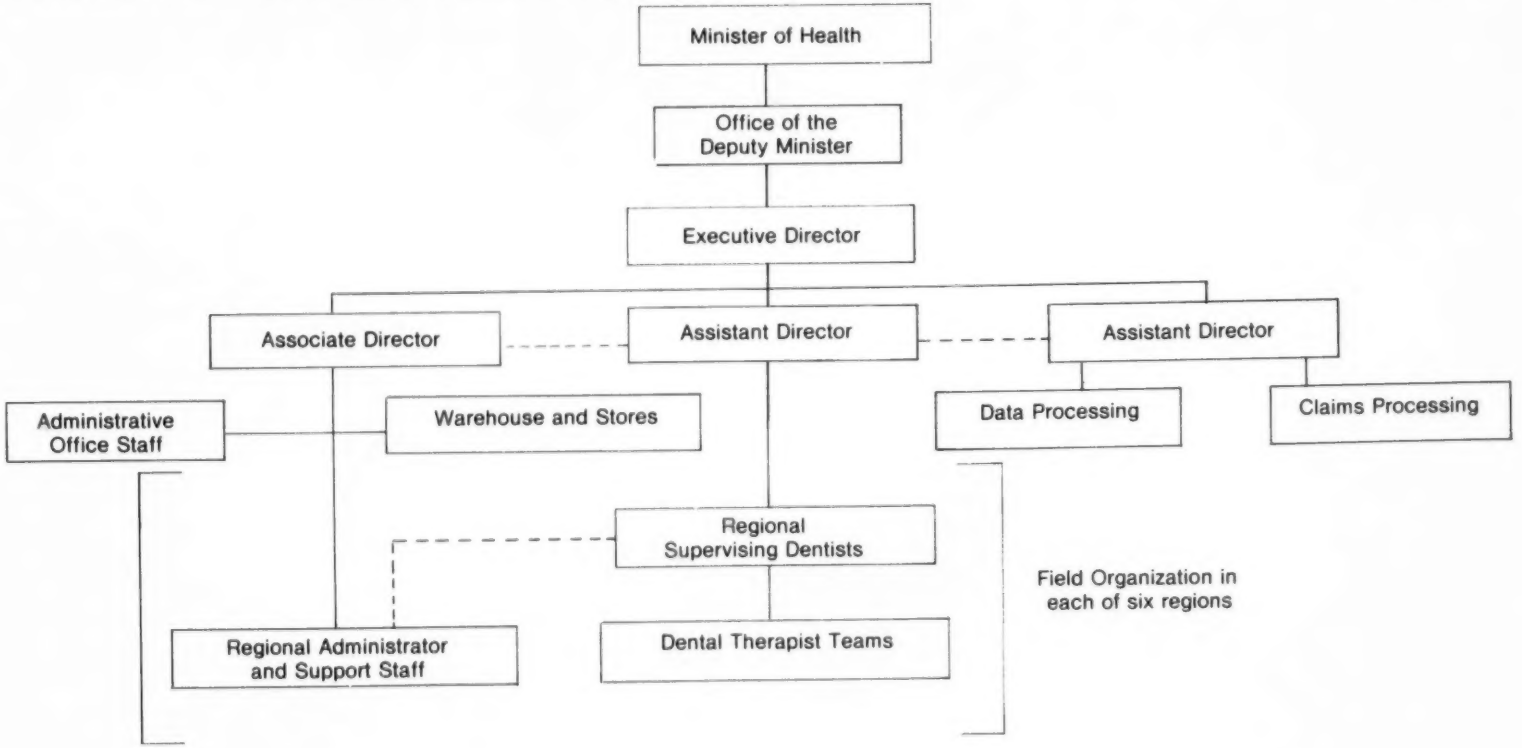
Administrative structure

The administrative organization is outlined in the organizational chart on page 7. The Saskatchewan Dental Plan is administered through a central headquarters staff, administrative staff, and warehouse and stores personnel. The province is divided into six administrative regions. Regional Headquarters are located in Swift Current, Regina, Yorkton, Saskatoon, Prince Albert and North Battleford.[1] The Saskatchewan Dental Plan does not provide coverage to children in the northern part of the province. The Department of Northern Saskatchewan operates its own dental plan for children in this area but receives consultation services and advice from the Saskatchewan Dental Plan.

[1] The six Dental Plan administrative regions and headquarter locations are shown on the map on page 8.

Dental Plan administrative organization

Figure 1

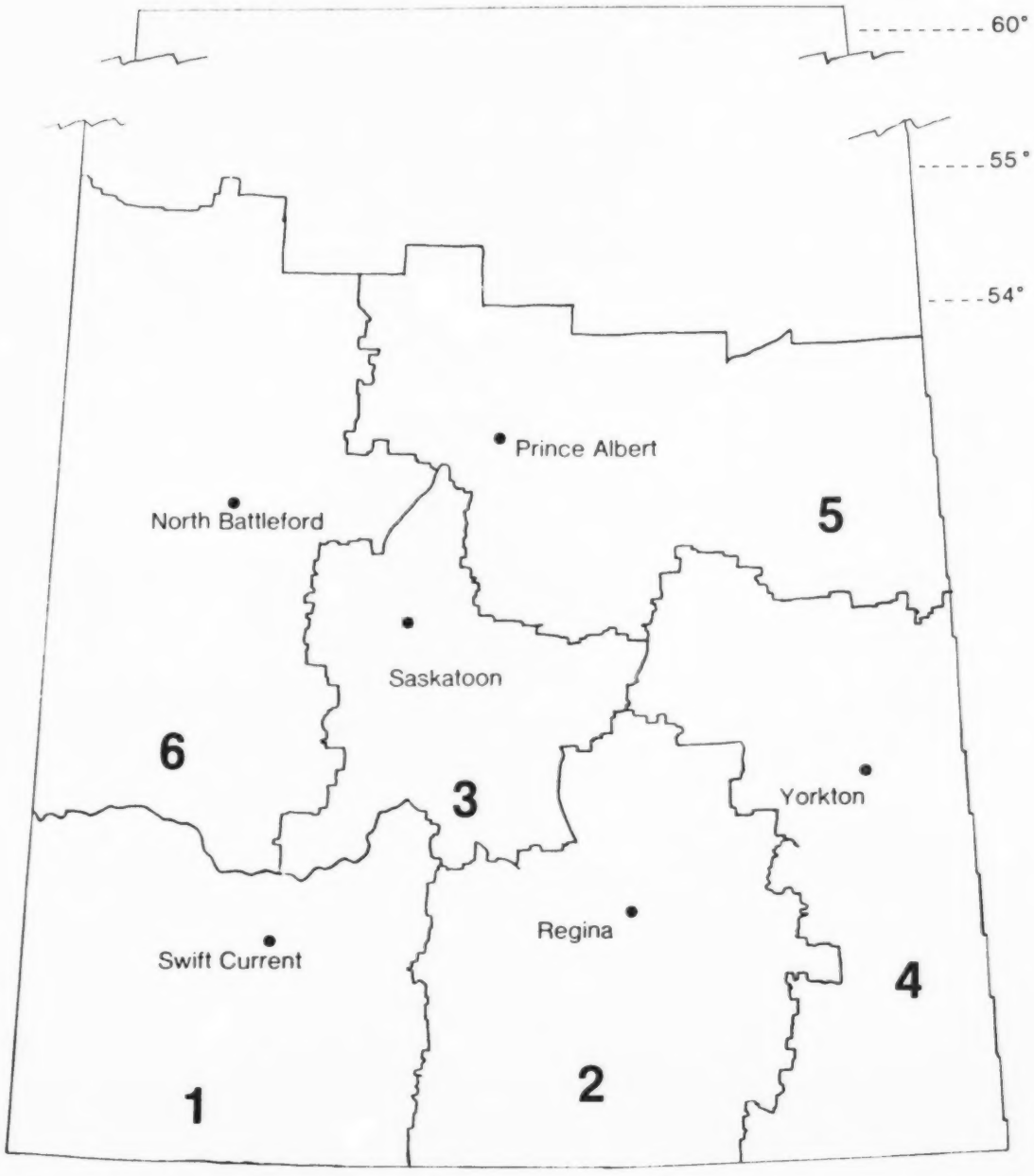


– – – – – Denotes Communication in Management Team

August 31, 1982

Dental Plan administrative regions

Figure 2



Key to administrative regions

No 1 Swift Current
No 2 Regina
No 3 Saskatoon
No 4 Yorkton
No 5 Prince Albert
No 6 North Battleford

August 31, 1982

Profile of dental plan personnel

Clinical personnel

1. Supervising dentists

The supervising dentist performs a variety of duties in close cooperation with approximately eight dental therapist teams. Each team consists of one dental therapist and one certified dental assistant. The dentist spends a great deal of time examining and formulating treatment plans for enrolled children and carries out services which are beyond the scope of the dental therapist. Lines of communication are always open between the team and the dentist in order to provide the team with immediate consultation or assistance when necessary. As supervisor, the dentist monitors the quality and quantity of work being performed by the teams. To do this, the dentist examines selected patients from each team annually using established criteria. The dentist also sees that priorities and schedules are being arranged and met.

Meeting frequently with parents, superintendents, principals, teachers and local officials, the dentist plays a significant role in public relations. All field staff are essentially public relations officers but it is the supervising dentist, together with the regional administrator, who must assess and deal with the specific difficulties and judge public sentiment.

2. Dental therapist

The Saskatchewan Dental Therapist is a graduate of a two-year training course. Students in this course learn to diagnose tooth decay and to restore permanent and baby teeth with silver amalgam and composite resin filling materials. Dental therapists are trained to place stainless steel crowns and space maintainers and to perform pulpotomies (nerve treatments) and extractions on baby teeth. Considerable emphasis in their training is placed on the prevention of dental disease.

Most practising dental therapists in Saskatchewan are employed by the Saskatchewan Dental Plan. Other employers include various provincial and federal government agencies, and dentists in private practice.

In the Dental Plan the dental therapist, with the aid of an assistant, provides the majority of preventive and restorative treatment required by Dental Plan patients.

3. Certified dental assistant

Certified dental assistants, who are graduates of a one-year course, play a dual role within the dental team. They perform many chairside duties for the therapist, such as instrument transfer, suctioning, retraction, preparation of restorative materials and sterilization; they also take radiographs, clean and polish teeth, apply topical fluoride and provide oral hygiene instruction.

Non-clinical personnel

1. Regional administrator

Regional administrators maintain records on personnel, equipment, materials, supplies and services. They work in close cooperation with supervising dentists in assigning service areas for dental therapist teams.

Regional administrators are responsible for identifying locations for dental clinics, monitoring program progress, identifying operational problems and initiating corrective action. They share with the supervising dentists, responsibility for public relations in the region and deal with specific difficulties affecting parents, staff and members of the public.

2. Equipment technician

The equipment technician is experienced in instrument technology and repair of dental equipment. He installs, repairs, and maintains all dental equipment within the region.

Preventive maintenance is practised by all staff under the guidance of the equipment technician. This maintenance eliminates a great deal of lost time because of malfunctioning dental equipment. The equipment technicians regularly visit the dental clinics and are therefore involved in considerable travel.

The supervising equipment technician provides technical guidance and on-the-job training to technicians and also undertakes some of the more complex repairs requiring specialized shop instruments and tools.

Organization of delivery of dental services

Dental facilities

The Dental Plan uses a team approach to provide dental services in the elementary school setting. Most of the work provided by the dental teams is performed in one-chair permanent dental clinics. The dental clinics situated in elementary schools have many advantages over clinics located outside the school setting. Some of the advantages are better coordination with school activities, keeping children within the familiar surroundings of their own school, minimal class disruption, and a minimum of working time lost by dental teams because of missed appointments or having to transport patients.

As of August 31, 1982 there were 526 permanent clinics located in schools throughout Saskatchewan (the Appendix lists dental clinics alphabetically by region). Permanent dental clinics, where possible, consist of a bright well-painted room of approximately 23 square metres, often with an adjoining waiting room and washroom. Most have overhead fluorescent lighting, a ventilation fan and an adequate number of electrical utility outlets. Each clinic has a lockable cupboard with a stainless steel sink and counter work areas. Located in the school, as close as possible to the clinic, is a large fixed air compressor.

A permanent dental clinic is furnished with a motorized dental chair with an attached light, operator and assistant stools, mobile dental cabinet, mobile dental cart, autoclave, amalgamator, brackets to accommodate a portable X-ray machine and portable lead shielding. All hand instruments are carried from clinic to clinic by the dental teams. For this purpose, a large metal instrument and supply case is furnished.

Patient care

1. Children's Dental Care

The majority of patient care in the Dental Plan is provided in schools, using a team approach.

Each team consists of a dental therapist and a certified dental assistant. Associated with each dental therapist team is a supervising dentist who works in close conjunction with about eight teams. In each region there are regional support staff including a regional administrator, an equipment technician, and clerical workers.

A great deal of preliminary work within each dental region in developing schedules is undertaken to ensure that a timetable can be developed to provide dental care to all enrolled children with as little disruption to the school as possible. School principals are contacted to discuss suitable times for the teams to visit their schools and to inform them of the number of children enrolled in their particular area. The dental therapist team explains the operation of the plan to the school staff involved and discusses the schedule within each particular school. To promote continuity, dental teams attempt to schedule their work in a school at the same time each year.

A few days before the child's initial visit to the dental clinic, parents are contacted by phone or letter. On the first clinic visit, the child's medical history is checked to see if there are any medical conditions which might affect the provision of dental care. A simple examination of the child's mouth is performed to determine if diagnostic X-rays are required. Any required radiographs are taken and processed.

During the second visit, the dentist or dental therapist gives the child a full clinical examination. A treatment plan is written to suit the individual preventive and restorative needs of the child. Parents are encouraged to be present for this visit so that the pertinent diagnostic findings and treatment planning can be discussed directly with them. At this time, diet and oral hygiene are also discussed with the parent and child. The prevention of dental disease is of great importance, and the dental teams stress preventive measures with the parents and children throughout the course of treatment.

Except for emergencies and urgent problems, the actual dental treatment usually commences at the third clinical session. A dental therapist and certified dental assistant carry out treatment in accordance with the treatment plan. As treatment progresses, any necessary modifications in the treatment plan are made in consultation with the supervising dentist. Dental teams are encouraged to perform quadrant dentistry, so that all necessary treatment in any quarter of the mouth is performed during one visit. Most restorative treatment is performed with the use of rubber dam, a technique which provides improved visibility and control of the operating field for the dental therapist and comfort and protection of the patient.

Referrals to private practitioners are written for specific dental treatment. Private practitioners may also provide emergency services to enrolled children.

2. Adolescent Dental Care

Children enrolled in the Saskatchewan Dental Plan have been receiving dental care primarily in school dental clinics. Upon leaving school they will be responsible for their own dental health and will need to seek care from a dentist in general practice. A bridging program has been developed in cooperation with the College of Dental Surgeons of Saskatchewan to encourage young people to make this transition. The program provides for a number of children 14 years and over who are enrolled in the Dental Plan to receive care in private dental offices.

In the school year 1981-82 the Dental Plan arranged for 43% of enrolled children born in 1966 and 1967 to transfer to private dental offices. The Department of Health agreed to make a capitation payment of $103.00 to the College of Dental Surgeons for each young person making one or more dental visits to a participating dentist. All covered services were to be provided at no charge to the parents.

In turn, in an agreement between the College of Dental Surgeons of Saskatchewan and participating dental practitioners, dentists were paid on a fee-for-service basis in accordance with a payment schedule established by the College for this program.

The agreement between the College and the Department of Health also specified that dentists would make every effort to ensure the participation of patients assigned to them and that a Quality Assurance Committee would be established to assess and make recommendations about the quality of care provided to young people both in dental clinics and in dental offices.

Accordingly, a Quality Assurance Committee was established consisting of a dentist from private practice, a dentist from the College of Dentistry, University of Saskatchewan and a dentist from the Saskatchewan Dental Plan, to review dental treatment provided to adolescents enrolled in the program. The committee met and established criteria for the evaluation of dental treatment. Members of the committee visited several schools in the province and examined young people in the program who had been randomly selected. The committee will report the findings to the College of Dental Surgeons of Saskatchewan and the Department of Health.

In order to provide for dental services, schools with grades 9 and 10 were designated as either Dental Plan schools or general practice schools. In Dental Plan schools care was provided by Dental Plan staff in school clinics. In the 87 selected general practice schools, dental care was provided in the office of a participating dentist of the parent's choice. The majority of schools assigned to general practice were located outside the cities of Regina and Saskatoon but within fifty kilometres driving distance of a participating dentist.

Statistical highlights of the first year of operation of the adolescent program are presented in Tables 1A-1C.

Table 1A

Dental health of enrolled adolescents — September 1981 - August, 1982

	1966		1967	
	Assigned to Dental Plan	Assigned to General Practice	Assigned to Dental Plan	Assigned to General Practice
Decayed, Missing, Filled Permanent Teeth (DMF/child)	8.39	8.11	7.21	7.08
Decayed	1.28	1.68	1.22	1.63
Missing	.47	.43	.34	.32
Filled	6.62	5.99	5.64	5.12
Children with DMF of 0	3.84%	4.78%	3.88%	4.57%

Table 1B

Number of enrolled adolescents utilizing dental services

Year of Birth	Provider of Service	Number Enrolled	Number Seen Once or More	Percent of Enrolled Seen Once or More	Number Completed	Percent of Enrolled Completed
1966	Dental Plan	6,693	6,337	94.68	6,079	90.83
	General Practice	5,152	4,224	81.99	4,104	81.24
	Sub total	11,845	10,561	89.16	10,183	85.97
1967	Dental Plan	7,827	7,688	98.22	7,410	94.67
	General Practice	4,287	3,273	76.35	3,181	74.20
	Sub total	12,114	10,961	90.48	10,591	87.43
Total	Dental Plan	14,520	14,025	96.59	13,489	92.90
	General Practice	9,439	7,497	79.43	7,285	77.18
	Total	23,959	21,522	89.83	20,774	86.71

Table 1C

Principal clinical services provided to adolescents born in 1966 and 1967 September, 1981 — August, 1982

Service	Assigned to General Practice	Assigned to General Practice per 1,000 adolescents seen one or more times	Assigned to Dental Plan	Assigned to Dental Plan per 1,000 adolescents seen one or more times
Comprehensive examination	7,492	999	13,277	947
Emergency oral examination	76	10	385	27
Specific oral examination	89	12	3,216	229
Intra-oral periapical radiogram-single film	556	74	963	69
Intra-oral periapical radiogram-two films	1,352	180	246	18
Intra-oral periapical radiogram-three films	102	14	50	4
Intra-oral periapical radiogram-four films	397	53	28	2
Intra-oral periapical radiogram-five films	90	12	8	1
Intra-oral/occlusal- single film	11	1	33	2
Intra-oral/bitewing- one film	16	2	98	7
Intra-oral/bitewing- two films	4,968	663	4,966	354
Dental prophylaxis, oral hygiene instruction and topical fluoride	5,679	758	12,020	857
Fillings				
Permanent — one surface	6,573	877	8,807	628
Permanent — two surfaces	3,542	472	5,527	394
Permanent — three surfaces	869	116	1,485	106
Permanent — four surfaces	118	16	233	17
Permanent — five surfaces	30	4	44	3
Acrylic or composite Class I or V only	401	53	987	70
Class III	728	97	1,371	98
Class IV	127	17	204	15
Acrylic or composite, acid etch tech., double class IV (involving mesial & distal)	38	5	60	4
Plastic (acrylic) processed	43	6	30	2
Endodontics - one canal	61	8	102	7
Extraction - single tooth	648	86	380	27
Each additional tooth in the same quadrant at the same appointment	32	4	28	2

Preventive Programs

The Dental Plan strives to offer the most effective and practical measures available to reduce the incidence of dental disease. To help accomplish this objective, the position of Prevention and Research Coordinator has been established. This person is responsible for planning, implementing and evaluating prevention and research projects within the Dental Plan, training Dental Plan staff in prevention-related activities, developing and coordinating health education materials, and acting as a resource person for Dental Plan staff. In this way, prevention activities are coordinated centrally within the Dental Plan.

The school-based fluoride mouthrinse program and the tooth sealant program are two recently implemented preventive programs.

Selected schools in each region are participating in fluoride mouthrinse programs with the approval of the local school board and school personnel. The fluoride mouthrinse procedure is a safe and economical way to prevent tooth decay and requires little classroom time. Once a week or every other week, under supervision, the students rinse with a 0.2% neutral sodium fluoride solution for one minute, and then return the solution to a paper cup for proper disposal. Studies show that fluoride rinsing reduces tooth decay by about 35%. This procedure is entirely voluntary and without cost to parents.

Tooth sealants are now provided when needed by Dental Plan staff to their patients. Tooth decay commonly occurs on the chewing surfaces of teeth. Sealants have been shown to be both safe and effective in preventing decay on these surfaces. The application procedure is simple. The chewing surface of a permanent molar or pre-molar is cleaned and treated with a mild conditioning solution which allows the sealant to stick to the tooth. The plastic sealant material is then applied to the grooves of the tooth. An evaluation of this pilot project is currently underway.

An individual approach to prevention is used within the dental clinic. When indicated, children enrolled in the Dental Plan receive individual oral hygiene and nutritional instruction, as well as topical applications of fluoride. An attempt is made by the dental teams to identify and concentrate their efforts on those children with a high risk for dental disease.

Dental health promotion

Dental Plan staff are continually involved in community dental health education and promotion activities. Staff frequently participate in community and school association meetings, prenatal class presentations, career days, school open house activities, shopping mall displays and health fairs. Many dental teams also provide dental health instruction in the classroom. These activities are intended to promote dental health and to make current dental health information available to the public. For example, the importance of community water fluoridation is stressed as a practical and effective health measure for safely and economically reducing the incidence of tooth decay.

Continuing education

Continuing education is encouraged for all staff in the Dental Plan. Supervising dentists work with individual dental teams and groups of teams presenting and reviewing dental techniques. Each dental region meets several times a year. Normally a portion of each meeting is set aside for continuing education. Topics include reviews of clinical procedures, patient management, and communication skills.

The Dental Division of Wascana Institute at the request of the Dental Plan, instituted a two-day continuing education course for dental therapists and assistants. This course will be presented in future years to allow participation by all staff. In the spring of 1982, 60 dental therapists and 60 assistants attended the course. Dental assistants studied radiographic procedures, patient management, fissure sealant application and techniques for finishing amalgam restorations. Dental therapists reviewed complex amalgam and composite restorations. The course includes lectures and practical laboratory exercises.

Many staff members received partial support for attending courses and meetings presented by other organizations in the province such as the Dental Therapists Association, the College of Dental Surgeons of Saskatchewan, and the University of Saskatchewan.

An orthodontist from the University of Alberta presented a one-day course to Dental Plan dentists on orthodontics in the Dental Plan.

A number of dentists in the Dental Plan attended management courses sponsored by the Department of Health and the Public Service Commission.

The dental equipment technicians attended a course presented by factory representatives reviewing the repair and maintenance of selected dental equipment.

Other responsibilities

In addition to the major responsibility of improving the level of dental health of children in the province, the Saskatchewan Dental Plan is involved in other dental activities.

The Dental Plan provides consultation on provincial dental matters to other agencies such as the Department of Northern Saskatchewan, Community Health Services Branch, Medical Care Insurance Commission, and the Federal Government.

On April 1, 1982 the Saskatchewan Dental Plan assumed responsibility on behalf of the Medical Services Division, for the administration of dental benefits to social assistance recipients. In this capacity the Dental Plan reviews requests for prior approvals, assesses standard dental claim forms, summarizes unusual claims for review by the Dental Advisory Board and processes approved claims for payment.

The Dental Plan, on behalf of the Departments of Health and Social Services, arranges for the provision of dental services in the Provincial Correctional Centres. Dentists enter into a contract and are paid on a sessional basis. Normally they make weekly visits to the centres, working in permanent clinics. Provision is also made for emergency dental care. The cost of providing these services are not included in the financial statements of the Dental Plan.

Table 2

Enrollment of Eligible Children[1] (excluding Registered Indians)

as at August 31, 1982

Age Group	Number Eligible	Number Enrolled	Percent Enrolled	Number Refused	Percent Refused	Number No Response	Percent No Response
Total[2]	177,726	149,743	84.3	18,393	10.3	9,590	5.4
Born 1963[3]	627	432	68.9	194	30.9	1	.2
Born 1964[3]	1,061	585	55.1	174	16.4	302	28.5
Born 1965[3]	889	555	62.4	142	16.0	192	21.6
Born 1966	15,322	11,455	74.8	2,574	16.8	1,293	8.4
Born 1967	14,600	11,666	79.9	2,134	14.6	800	5.5
Born 1968	14,647	12,417	84.8	1,720	11.7	510	3.5
Born 1969	14,659	12,444	84.9	1,693	11.5	522	3.6
Born 1970	14,418	12,421	86.1	1,479	10.3	518	3.6
Born 1971	14,397	12,466	86.6	1,482	10.3	449	3.1
Born 1972	14,304	12,503	87.4	1,357	9.5	444	3.1
Born 1973	13,984	12,297	87.9	1,219	8.7	468	3.4
Born 1974	14,157	12,469	88.1	1,141	8.0	547	3.9
Born 1975	14,375	12,692	88.3	1,077	7.5	606	4.2
Born 1976	14,597	12,623	86.5	992	6.8	982	6.7
Born 1977	14,900	12,108	81.3	956	6.4	1,836	12.3
Born 1978[3]	789	610	77.3	59	7.5	120	15.2

[1] Enrollment figures include those adolescents eligible for treatment by general practice dentists in the adolescent Dental Program.

[2] Enrollment figures for Registered Indians are reported separately. Because of a number of circumstances unique to that group of children, their participation in the Dental Plan is markedly lower than that of other eligible children (see Table 3).

[3] Effective September 1, 1981 the Swift Current Health Region's Dental Program was absorbed. Young people resident in the region who were born in the years 1963, 1964, 1965 and 1978 became eligible to enroll in the Dental Plan.

Table 3

Enrollment of Eligible Registered Indians[1]

as at August 31, 1982

Age Group	Number Eligible	Number Enrolled	Percent Enrolled	Number Refused	Percent Refused	Number No Response	Percent No Response
Total	11,815	5,738	48.6	421	3.5	5,656	47.9
Born 1963[2]	9	0	0	0	0	9	100.0
Born 1964[2]	6	0	0	0	0	6	100.0
Born 1965[2]	6	0	0	0	0	6	100.0
Born 1966	965	390	40.4	46	4.8	529	54.8
Born 1967	912	448	49.1	35	3.9	429	47.0
Born 1968	1,004	541	53.9	54	5.4	409	40.7
Born 1969	959	532	55.5	33	3.4	394	41.1
Born 1970	984	555	56.4	54	5.5	375	38.1
Born 1971	977	578	59.2	36	3.7	363	37.1
Born 1972	1,014	567	55.9	31	3.1	416	41.0
Born 1973	982	540	55.0	35	3.6	407	41.4
Born 1974	996	520	52.2	27	2.7	449	45.1
Born 1975	969	453	46.7	29	3.0	487	50.3
Born 1976	1,012	364	36.0	27	2.7	621	61.3
Born 1977	1,018	248	24.3	14	1.4	756	74.3
Born 1978[2]	2	2	100.0	0	.0	0	.0

[1] Enrollment figures include those adolescents eligible for treatment by general practice dentists in the Adolescent Dental Program.

[2] Effective September 1, 1981 the Swift Current Health Region's Dental Program was absorbed. Young people resident in the region who were born in the years 1963, 1964, 1965 and 1978 became eligible to enroll in the Dental Plan.

Dental health of enrolled children

Every child in the Dental Plan is examined once a year to determine the dental health of enrolled children. This is a thorough examination with a dental light, mirror, explorer and air to dry the teeth. X-rays may be used to detect cavities between the teeth that cannot be seen otherwise.

Children in the province experience extensive tooth decay at a young age. It can be seen in Table 4 that the average four year old had 2.11 decayed deciduous (baby) teeth.

Figure 4 shows the number of amalgam restorations provided to enrolled children has increased in each of the six years the program has been in operation. However, the increase has not been in proportion to the increase in enrollment. Amalgam restorations per 1,000 enrolled children have decreased consistently from 3,491 in the 1974-75 program year to 1,072 per 1,000 enrolled children in the 1981-82 program year.

Figure 5 reflects the improvement of dental health of six year old children during the eight years the Dental Plan has been in operation.

The total number of decayed, missing and filled permanent and baby teeth for six year old children, as shown in Figure 5, has declined from 6.5 in 1974-75 to 4.0 in 1981-82. It should be noted that in addition to an overall reduction in the total there has been a significant change from the major category being decayed teeth for six year olds in 1974-75 to the major category being filled teeth for six year old children in 1981-82.

Figure 6 shows the percentage of restorative, diagnostic, and preventive services based on relative value units.

Table 4

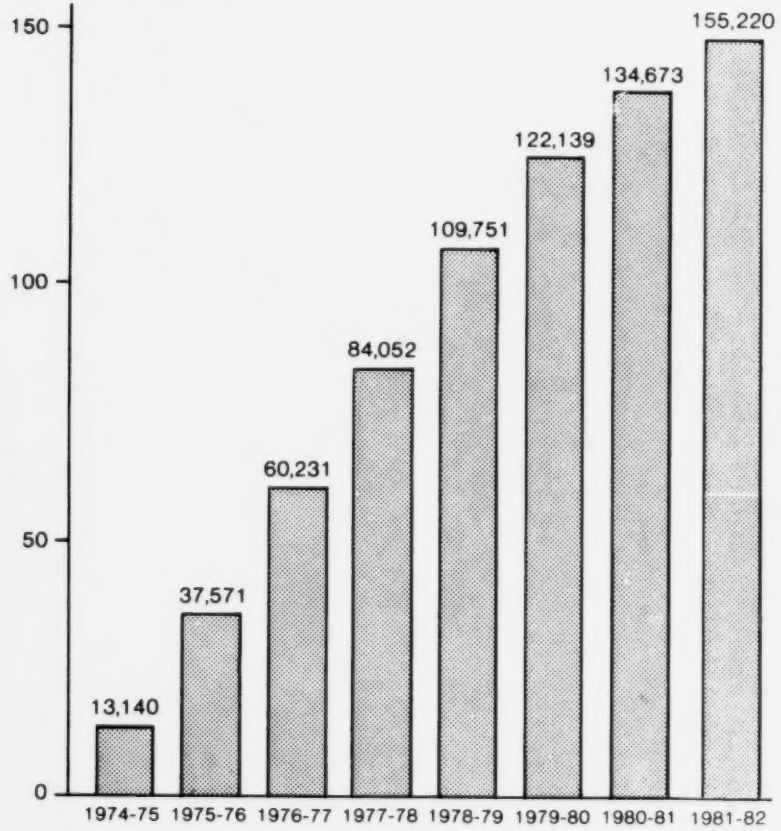
Dental Health of Enrolled Children September, 1981 — August, 1982

	Average Number or Percent Per Adolescent By Year of Birth					Average Number or Percent Per Elementary Child By Year of Birth										
	1963[1]	1964[1]	1965[1]	1966[1]	1967[1]	1968[1]	1969[1]	1970[1]	1971[1]	1972[1]	1973	1974	1975	1976	1977	1978
Decayed, extracted, filled deciduous teeth (DEF)	–	–	–	–	–	–	–	–	–	–	4.13	4.01	3.69	3.14	2.45	1.58
Decayed	–	–	–	–	–	–	–	–	–	–	.66	.87	1.22	1.54	2.11	1.47
Extracted	–	–	–	–	–	–	–	–	–	–	.25	.18	.11	.07	.04	.00
Filled	–	–	–	–	–	–	–	–	–	–	3.22	2.94	2.35	1.51	.29	.09
Decayed, missing, filled permanent teeth (DMF)	11.23	11.25	9.94	8.27	7.17	5.86	4.71	3.63	2.96	2.30	1.79	.93	.32	.04	–	–
Decayed	2.86	3.00	3.08	1.44	1.34	1.13	.93	.71	.61	.60	.70	.56	.26	.04	–	–
Missing	.64	.53	.50	.46	.34	.23	.19	.09	.04	.01	.01	.00	.00	.00	–	–
Filled	7.73	7.72	6.35	6.36	5.48	4.49	3.57	2.82	2.29	1.67	1.08	.36	.06	.00	–	–
Total DEF and DMF	–	–	–	–	–	–	–	–	–	–	5.93	4.94	4.02	3.19	–	–
Children with DMF of 0	.84%	1.44%	3.18%	4.23%	4.09%	4.92%	7.28%	11.74%	16.61%	24.98%	34.75%	59.57%	83.07%	97.09%	–	–
Children with DEF of 0	–	–	–	–	–	–	–	–	–	–	15.99%	19.57%	26.78%	35.04%	47.37%	62.02%
Children with DMF and DEF of 0	–	–	–	–	–	–	–	–	–	–	10.10%	16.10%	25.34%	34.72%	–	–
Decayed deciduous and permanent teeth	–	–	–	–	–	–	–	–	–	–	1.36	1.44	1.48	1.59	2.12	1.47
Filled deciduous and permanent teeth	–	–	–	–	–	–	–	–	–	–	4.30	3.31	2.41	1.52	.29	.09
Ratio filled deciduous and permanent teeth to DMF and DEF	–	–	–	–	–	–	–	–	–	–	.72	.67	.30	.47	.11	.06
Ratio missing and extracted to filled teeth	.08	.06	.08	.07	.06	.05	.05	.05	.05	.05	.06	.05	.04	.05	.16	.08
Permanent teeth erupted and not decayed	18.15	17.97	18.76	19.71	20.38	20.90	20.04	17.30	13.67	11.25	9.54	7.61	4.08	.91	–	–
Deciduous teeth filled and redecayed	–	–	–	–	–	–	–	–	–	–	.15	.14	.11	.07	.01	.00
Permanent teeth filled and redecayed	.60	.54	.46	.18	.14	.07	.06	.04	.03	.02	.02	.00	.00	.00	–	–

[1] Dental health indices on deciduous teeth for these children have not been reported since too high a proportion of deciduous teeth have already been shed.

Figure 3

Total Number of Enrolled Children by Year of Operation of Dental Plan (Includes Registered Indians) [1]

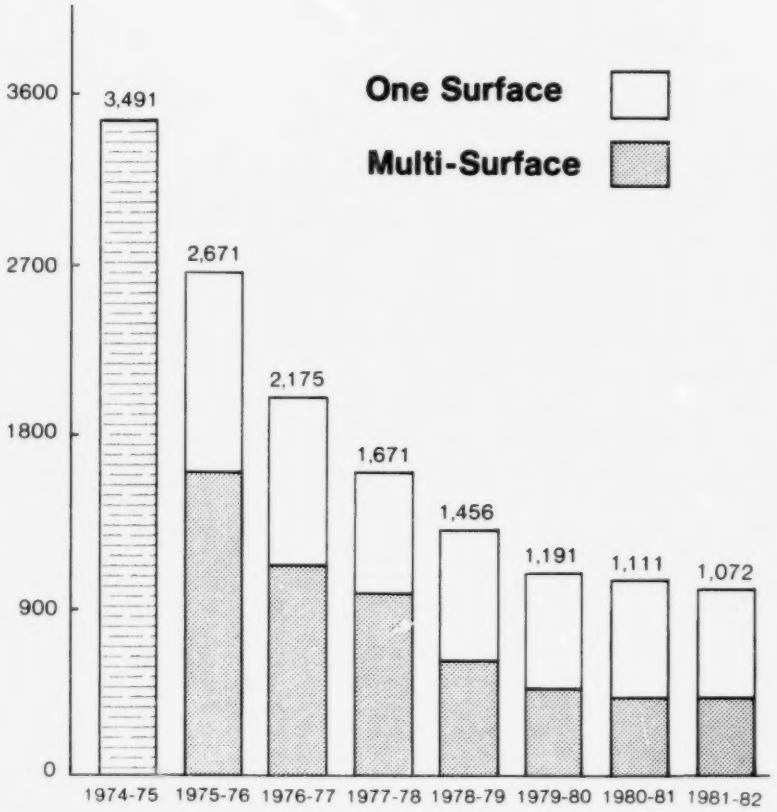


[1] As of August 31 in each program year.

Figure 6

Amalgam Restorations Provided by Program Year

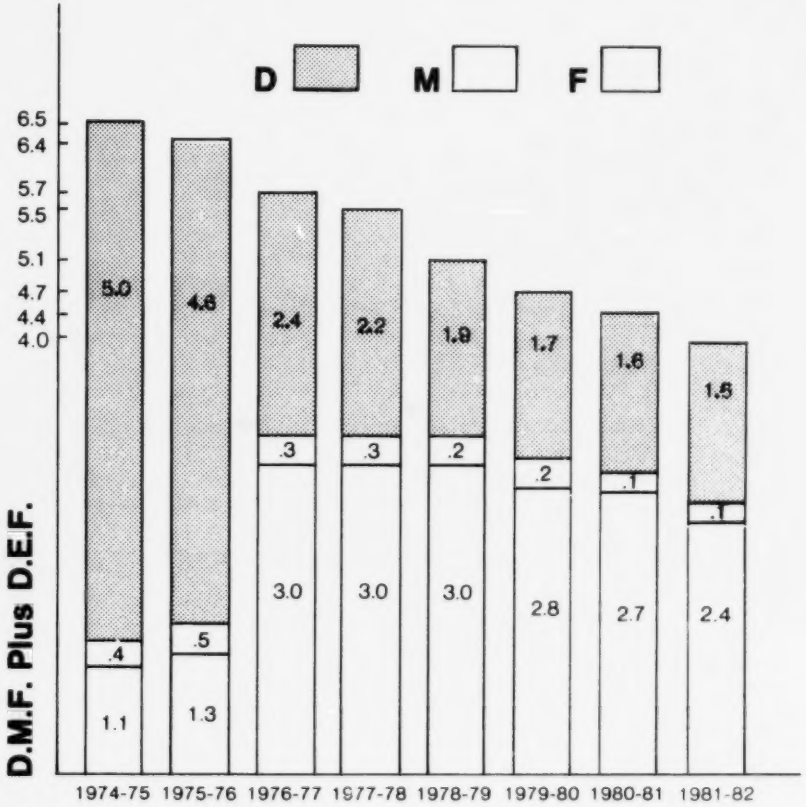
(Rate per 1,000 Enrolled Children)



Detailed records by number of surfaces per filling were not available during the first year of operation.

Figure 5

Total D.M.F.[1] and D.E.F.[2] for a Six Year Old Child by Year of Program

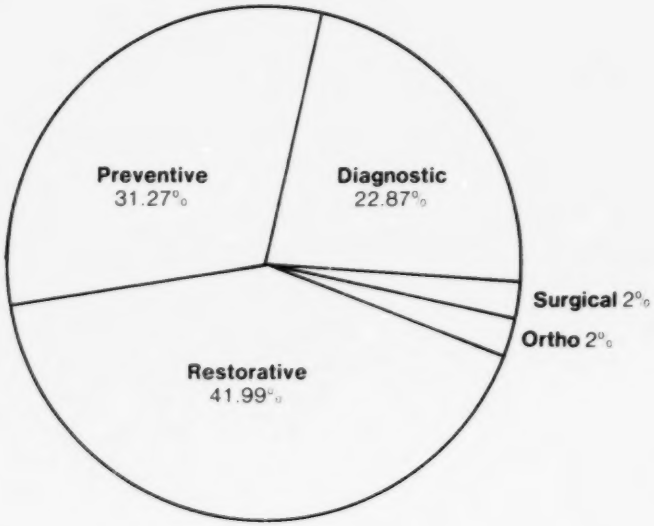


[1] Decayed, Missing, Filled (Permanent teeth)

[2] Decayed, Extracted, Filled (Deciduous teeth)

Figure 6

Total Services Provided for September 1981 — August, 1982 Based on Relative Value Units[1]



[1] Relative Value Unit is a method of weighing the time, professional skill and responsibility associated with each dental procedure.

Total services provided to enrolled children

All services provided by Dental Plan staff are recorded, for statistical purposes, in a data information system in addition to the customary patient service record. The volume of services provided by dental plan staff and private dental practitioners during the 1981-82 program year is shown, by age of patient, in table 5. Comparisons with the volume of service provided in previous years may be made by referring to previous reports.

Table 5

Clinical Services Provided[1] September 1981 — August, 1982

Services	Number (By Year of Birth)																
	1963[2]	1964[2]	1965[2]	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978[2]	Total
Parent contacts																	
In person	59	65	75	978	1,349	2,615	2,935	3,591	4,351	4,871	5,812	5,703	5,697	8,477	30,964	1,191	78,733
By phone	102	165	222	3,219	3,465	4,526	4,469	4,533	5,209	5,370	5,798	6,281	5,630	6,747	13,473	621	69,830
By letter	28	170	139	8,314	10,063	17,367	17,219	16,861	18,098	18,120	18,841	20,286	18,180	14,911	4,076	54	182,727
Diagnostic services																	
Initial oral examination	264	439	420	4,609	3,627	500	499	532	645	667	714	891	1,233	2,602	10,590	476	28,708
Emergency oral examination	9	9	9	225	236	313	370	516	668	734	659	647	735	793	1,064	6	6,993
Specific oral examination	21	35	32	1,311	2,025	7,429	4,418	4,571	8,395	4,810	5,210	8,633	4,267	1,164	536	20	52,877
Recall examination	12	53	39	5,617	7,115	11,467	11,736	11,530	11,561	11,653	11,449	11,628	11,274	9,575	860	62	115,631
Diagnostic models	4	5	12	72	60	86	85	104	164	181	226	172	72	9	16	0	1,268
Radiographic services																	
Periapical radiographs	158	207	158	3,925	3,485	1,525	1,582	1,710	1,992	1,860	1,853	1,654	1,032	488	440	15	22,084
Bitewing radiographs (single film)	342	583	565	10,288	9,771	8,389	6,867	5,607	5,027	5,308	5,542	5,997	5,549	4,134	5,708	40	79,717
Panoramic radiographs	0	0	0	9	6	5	5	5	10	9	5	1	3	1	3	0	62
Occlusal single	0	0	0	21	24	39	29	46	49	98	151	184	117	47	38	0	843
Preventive services																	
Dental prophylaxis	200	331	286	7,865	8,193	9,345	9,733	9,660	9,907	9,848	9,752	9,723	9,854	9,404	8,850	234	113,185
Polish amalgam	16	45	62	2,187	2,648	4,428	4,217	4,108	4,297	4,851	5,319	5,052	4,547	3,486	1,801	19	47,083
Topical fluoride	63	161	166	5,051	6,338	10,364	10,789	10,835	10,942	11,043	10,860	10,994	10,959	10,484	9,393	355	118,797
Fluoride varnish	0	0	0	27	30	48	16	21	34	25	35	43	34	42	130	0	485
Nutritional counsel (individual)	5	1	2	693	1,021	1,977	1,978	2,161	2,191	2,200	2,127	2,172	2,164	2,113	2,133	47	22,985
Oral hygiene instruction (individual)	74	167	172	5,273	6,747	10,746	11,117	10,902	11,249	11,330	11,063	11,057	11,142	10,670	10,338	488	122,535
Fissure sealant	8	15	85	3,059	3,926	5,974	5,911	4,661	3,275	3,159	4,290	5,957	4,365	819	65	0	45,569
Restorative services																	
Total amalgam restorations (silver)	591	998	1,032	13,482	13,846	14,370	11,723	9,597	10,175	13,012	16,613	17,386	15,875	14,821	16,184	383	170,088
Amalgam primary																	
One surface	1	1	1	20	14	25	69	180	438	806	1,396	2,157	3,239	4,622	6,617	230	19,816
Two surface	1	1	1	17	31	115	218	826	2,069	3,897	5,773	7,286	8,424	8,757	8,199	124	45,739
Three surface	0	2	0	5	12	33	54	151	307	568	585	621	671	826	1,177	21	5,033
Four surface	0	0	0	0	1	1	1	8	24	34	25	31	36	46	68	1	276
Five surface	0	1	0	0	0	0	0	1	1	0	2	1	3	4	9	0	22
Amalgam permanent																	
One surface	242	403	504	7,206	8,174	8,816	7,458	5,505	4,846	5,406	6,293	5,509	2,645	402	47	6	63,462
Two surface	224	356	356	4,710	4,359	4,316	3,275	2,510	2,143	2,023	2,151	1,653	796	145	52	1	29,070
Three surface	89	180	128	1,298	1,056	914	551	358	296	236	316	112	54	18	14	0	5,620
Four surface	32	46	33	186	165	126	76	51	42	34	67	12	5	1	1	0	877
Five surface	2	8	9	40	34	24	21	7	9	8	5	4	2	0	0	0	173
Composite restorations (white)	130	203	179	2,160	1,809	1,756	1,425	1,195	1,045	807	505	346	202	265	507	12	12,546
Retentive pins	7	11	3	113	116	57	60	40	49	23	50	9	0	5	6	0	549
Stainless steel crowns	0	5	1	21	15	50	47	146	322	749	1,459	1,985	2,152	2,423	2,929	65	12,369
Crowns																	
Porcelain, plastic, cast or preformed metal	9	8	5	76	40	30	20	5	6	8	3	0	0	0	0	0	210

Caries control																	
Removal of decay and placement of sedative dressing	7	10	8	174	153	277	291	300	368	301	273	264	264	406	649	7	3,752
Discing or slicing	1	4	0	69	68	87	110	143	257	384	715	947	283	106	88	2	3,264
Prosthetic services																	
Full dentures	0	3	0	3	0	0	0	0	0	0	0	0	0	1	0	0	7
Partial dentures	2	3	2	25	14	10	9	12	11	12	3	0	0	1	3	0	107
Pulp therapy services																	
Direct pulp cap	1	8	1	48	50	74	51	45	55	40	33	23	19	4	4	0	456
Indirect pulp cap	0	3	6	125	119	185	146	90	89	59	80	45	28	21	19	0	1,015
Root canal therapy	8	6	7	111	52	49	57	41	28	36	13	2	0	1	0	0	411
Pulpotomy	1	3	5	44	42	46	74	181	410	769	1,240	1,445	1,737	2,078	2,749	50	10,874
Periodontal services	1	0	0	54	22	13	13	12	15	2	3	6	1	2	2	0	146
Surgical services																	
Extraction of primary teeth	47	57	55	467	621	819	1,252	1,800	1,999	1,919	1,636	1,591	1,497	945	598	20	15,323
Extraction of permanent teeth	10	5	10	91	56	103	105	90	83	44	61	14	16	3	0	0	691
Extraction of primary teeth for orthodontic purposes	0	0	0	19	73	330	544	768	1,007	993	1,048	1,006	645	249	17	0	6,699
Extraction of permanent teeth for orthodontic purposes	0	5	4	80	176	342	417	388	281	152	67	38	20	8	0	0	1,978
Removal of residual roots (soft tissue coverage)	2	1	2	12	11	6	15	9	8	14	15	12	12	8	7	0	134
Open and drainage of tooth	1	1	0	21	16	13	10	29	22	36	56	43	35	41	34	0	358
Surgical exposure of unerupted tooth	0	0	0	1	1	3	1	0	1	3	0	2	0	0	0	0	12
Removal of tooth specialist	18	0	1	8	21	29	45	67	95	57	24	9	5	1	6	0	386
Other surgical services specialist	5	1	4	45	38	59	79	58	88	55	21	10	6	7	0	0	476
Space maintainers and minor orthodontic services																	
Unilateral space maintainer	0	0	0	1	5	2	5	14	31	83	198	351	312	216	170	1	1,389
Bilateral space maintainer	0	0	0	4	3	4	10	19	33	51	76	72	31	10	7	0	320
Tooth movement and space regaining	0	0	1	16	22	46	38	69	88	79	149	86	35	2	3	0	634
Observation/adjustment of active appliance	0	0	0	57	100	171	150	266	345	319	481	220	64	2	7	0	2,182
Removal/re-cement of fixed appliance	0	0	0	2	6	7	16	29	39	64	45	20	11	4	1	0	244
Prevention of thumb sucking	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
Occlusal adjustment	0	0	0	6	2	6	9	7	15	7	8	18	12	5	10	0	105
Number of Children with Treatment Plans Completed	278	440	416	10,183	10,591	11,648	11,995	11,907	11,942	12,048	11,828	12,081	12,230	11,911	11,217	569	141,284
Percent of Children with Treatment Completed	64.35	75.21	74.95	85.97	87.43	89.89	92.44	91.76	91.55	92.18	92.14	93.01	93.04	91.71	90.78	92.97	90.87

[1] Includes services to enrolled registered Indians.

[2] Effective September 1, 1981 the Swift Current Health Region's Dental Program was absorbed. Young people resident in the region who were born in the years 1963, 1964, 1965 and 1978 became eligible to enroll in the Dental Plan.

Note: Clinical services provided to adolescents by general practice dentists are not included in Table 5

Referrals and emergency services

The costs of services provided by private practitioners to children enrolled in the Dental Plan are not covered by the Plan. There are three exceptions: referred services, emergency services and services provided in the Adolescent Dental Program.

Referrals to private practitioners in the Children's Dental Program are of two types. A general referral is given to a patient when the examining dentist feels that the management of the patient is beyond the capability of the dental therapist. Into the category of patient management fall individuals with such problems as mental or physical handicaps and medical or emotional problems. Dental Plan dentists are qualified to deal with such situations, but intensive treatment of special cases is not their primary role in the Plan. Rather, their role is to examine all enrolled children and to supervise treatment. It is therefore considered preferable to refer children requiring extensive management to a private practitioner, who can devote more time to them and provide more intensive care.

Enrolled children are also given referrals to private practitioners for specific dental problems beyond the capability of the dental therapist. Into this category fall such services as treatment of minor orthodontic problems and extensive surgical procedures.

Private practitioners also provide emergency services to enrolled children. Emergency services are defined as the relief of pain, treatment of infections, or control of haemorrhage. In emergency cases, the patient does not need to be referred by a Dental Plan dentist in order for service costs to be covered.

In addition, in 1981-82 three private practitioners provided dental care to enrolled children on a contract basis. This arrangement was made in a rural area of the province.

The following table outlines the types and costs of referred and emergency services provided by private practitioners to children enrolled in the Saskatchewan Dental Plan in 1981-82.

Table 6

Referred and Emergency Services Provided By Private Dentists to Children Enrolled in the Dental Plan

September 1981 — August 1982[1]

Type of Service	Total		Referral		Emergency	
	No.	Cost ($)	No.	Cost ($)	No.	Cost ($)
Total	16,222	333,930.89	14,528	286,172.70	1,694	30,111.10
Initial oral examination	1,551	15,566.40	1,515	15,161.50	36	404.90
Specific oral examination	401	5,727.00	399	5,706.00	2	21.00
Diagnostic models	79	1,109.10	79	1,109.10	0	.00
Periapical X-rays	1,914	11,834.00	1,485	8,717.40	429	3,116.60
Bitewing X-rays	525	2,806.60	501	2,692.80	24	113.80
Panoramic X-rays	59	1,260.10	59	1,260.10	0	.00
Topical fluoride and dental prophylaxis	1,194	14,940.50	1,135	14,218.40	59	722.10
Oral hygiene instruction (individual)	225	1,958.90	221	1,919.90	4	39.00
Amalgam restorations	3,168	60,735.70	3,001	57,445.40	167	3,290.30
Composite restorations	550	15,904.90	418	10,929.70	132	4,975.20
Stainless steel crowns	676	21,529.80	660	20,998.80	16	531.00
Crowns -- Porcelain, plastic, cast or preformed metal	89	9,107.40	84	8,872.00	5	235.40
Caries control -- Removal of decay, place sedative dressing	63	386.00	34	206.70	29	179.30
Full or partial dentures	45	6,180.30	43	5,932.10	2	248.20
Root canal therapy	170	23,186.80	147	20,020.30	23	3,166.50
Pulpotomy	563	11,910.30	467	9,677.00	96	2,233.30
Removal of erupted teeth	2,187	35,428.20	1,812	29,071.70	375	6,356.50
Surgical removal of tooth (specialist)	335	6,633.20	335	6,633.20	0	.00
Other surgical services (specialist)	345	22,421.30	345	22,421.30	0	.00
Unilateral space maintainer	79	3,623.80	76	3,579.20	3	44.60
Bilateral space maintainer	83	6,682.40	82	6,586.50	1	95.90
Tooth movement and space regaining	104	9,394.10	104	9,394.10	0	.00
Observation orthodontics	256	2,192.00	256	2,192.00	0	.00
Other miscellaneous services	1,561	25,765.00	1,270	21,427.50	291	4,337.50
Other services unidentified	—	17,647.09	—	—	—	—

[1] In addition to the above expenditures, the following costs were incurred:

(a) $836,154.00 in capitation payments were made to the College of Dental Surgeons for services provided to 8,118 adolescents who received routine dental care from private practice dentists.

(b) $49,080.00 was paid to three private practitioners working on a contract basis to provide dental care to enrolled children.

Therefore these expenditures amount to $1,219,164.89. (See Statement 1)

Note: The cost for services provided to adolescents by general practice dentists is not included in Table 6.

Expenditures

In a review of the following financial statements, certain points should be noted:

1. The financial statements reflect all expenditures incurred directly by the Dental Plan. The statements include certain expenditures which apply to activities other than the provision of dental care to enrolled persons. However, costs related to the Dental Plan which were incurred by other agencies are excluded.

2. Revenue from the activities of the Saskatchwan Dental Plan has not been applied to offset expenditures. The $395,575.64 total revenue realized during the year included $387,332.58 reimbursement from the Department of National Health and Welfare for dental care provided to 5,004 enrolled Indian children during the period September 1, 1980 to August 31, 1981.

Statement 1

Statement of Payments — Operating Expenses

September 1, 1980 — August 31, 1981
September 1, 1981 — August 31, 1982

	September 1, 1980 to August 31, 1981	September 1, 1981 to August 31, 1982
Administration (Regina Central Office)		
Salaries and honoraria	$ 599,941.23	$ 864,034.75
Travel	27,985.87	24,485.20
Public Information and Advertising	36,108.89	63,078.52
Professional dues and staff training	2,233.05	1,823.75
Office expenses	30,579.83	66,112.58
Other Expenses	349,436.02	475,652.76
Sub Total	$ 1,046,284.89	$ 1,495,187.56
Program Expenses		
Salaries	$ 7,341,441.80	$ 8,932,723.37
Travel	765,831.17	752,600.75
Public information and advertising	484.96	683.95
Professional dues and staff training	13,998.55	13,818.20
Office expenses	149,844.18	207,563.41
Private practitioner services	347,892.88	1,219,164.89
Laboratory supplies and services	22,162.12	45,998.46
Dental supplies	616,910.67	630,462.24
Repairs	37,071.21	44,099.57
Taxes and licences	17,015.93	31,438.17
Grants and contributions	184,940.00	(22,550.00)
Other expenses	129,135.04	155,639.36
Sub Total	$ 9,626,728.51	$12,011,642.37
Total operating expenditure	$10,673,013.40	$13,506,829.93
Capital equipment purchases	263,337.88	275,113.85
Total expenditure	$10,936,351.28	$13,781,943.78

Statement 2

Expenditure Statement Reconciliation to Public Accounts[1]

	Public Accounts	Program Year
Expenditure Sept. 1/79 — March 31/80	not applicable[2]	$ 4,579,932.20
Expenditure April 1/80 — August 31/80	$ 3,937,147.32	3,937,147.32
Total expenditure 1979-80 program year		$ 8,517.079.52
Expenditure Sept. 1/80 - March 31/81	6,394,676.58	$ 6,394,676.58
Public Accounts 1980-81	$10,331,823.90	
Expenditure April 1/81 — August 31/81	4,541,674.70	4,541,674.70
Total expenditure 1980-81 program year		$10,936,351.28
Expenditure Sept 1/81 — March 31/82	7,896,199.69	$ 7,896,199.69
Public Accounts 1981-82	$12,437,874.39	
Expenditure April 1/82 — August 31/82		5,855,744.09[3]
Total expenditure 1981-82 program year		$13,781,943.78

[1] This reconciliation is included because the Saskatchewan Dental Plan operates on a school year (begins September 1) rather than on the Government fiscal year (begins April 1).

[2] The figures for this period apply to the fiscal year 1979-80 and have been reported in previous reports. The figure is not reported here to avoid confusion.

[3] These figures, obtained from the Department of Finance monthly expenditure statements relating to the Saskatchewan Dental Plan, will be included in the Public Accounts for the 1982-83 fiscal year.

Statement 3

Adjustment to Cash Expenditure Statements Shown in Statement 1 to Determine Actual Cost of Services Rendered to Enrolled Children

September 1, 1980 to August 31, 1981
September 1, 1981 to August 31, 1982

	Program Year September 1/80 — August 31/81		Program Year September 1/81 — August 31/82	
Total Operating Expenditure				
(from statement 1)		$10,673,013.40		$13,506,829.93
Add dental supplies opening inventory	$438,878.18		$523,578.32	
Less dental supplies closing inventory	(523,578.32)		(561,024.19)	
Add repair parts opening inventory	46,728.71		42,484.89	
Less repair parts closing inventory	(42,484.89)		(49,196.16)	
Add equipment losses	—		—	
Less grant paid to the College of Dental Surgeons of Saskatchewan for the Summer Dental Externship Program[1]	(13,800.00)		(18,000.00)	
Less stipend paid to student dentists for the Dental Options Program[2]	(1,140.00)		—	
Less grant paid to the Swift Current Health Region No. 1[3]	(170,000.00)		40,550.00	
Less cost of rewriting the data processing system[4]	(137,118.20)		(54,214.80)	
Sub Total		$10,270,498.88		$13,431,007.99
Add depreciation		126,386.05		168,944.48[5]
Add amortization		27,423.64		32,781.87[6]
Actual cost of services		$10,424,308.57		$13,632,734.34
Number of enrolled children		134,673		155,481
Average cost per enrolled child[7]		$ 77.40		$ 87.68

[1] Grant for students in the College of Dentistry, U of S, serving a dental externship with private practice dentists in rural Saskatchewan.

[2] Final year students in the College of Dentistry, U of S, may opt to study S.D.P. as an approved public program. They are paid a stipend to help defray travel costs.

[3] The Swift Current Health Region was paid a grant of $170,000.00 to assist in defraying the cost of operating their dental program between January 1 and August 31, 1981. Effective September 1, 1981 the program was absorbed by the Dental Plan. Following the close of operation, the Swift Current Health Region refunded the unspent portion of the grant.

[4] A complete rewrite of the data processing system was required to accommodate dental care to adolescents. Phase 1 of the system rewrite was undertaken during 1980-81. The second and final stage, costing $54,214.80 was completed during 1981-82. This new system will be in use for several years, therefore the costs are being amortized.

[5] Opening inventory of depreciated fixed assets ($1,001,391.42 — $150,208.71)	851,182.71
Add purchases during year	275,113.85
Undepreciated fixed assets	$1,126,296.56
Depreciation calculated at 15% of undepreciated value of fixed assets	$ 168,944.48
[6] Costs incurred for rewrite of the data processing system ($137,118.20 — $27,423.64)	109,694.56
Add costs incurred during year	54,214.80
Unamortized value of system	$ 163,909.36
Amortization calculated at 20% of unamortized value of system	$ 32,781.87

[7] Calculated by dividing the actual cost of services by the number of children enrolled.

Note The Department of Education covers the cost of establishing dental clinics in schools. $2,935,857.80 was spent prior to August 31, 1981. An additional $644,513.00 was spent during September 1/81 — August 31/82. These expenditures are capital in nature and should be amortized over the life of the facility. Based on a depreciation rate of 5%, the depreciation would be approximately $179,018.54.

This would represent an average cost per enrolled child of

$179,018.54 ÷ 115,481 = $1.15

Appendix

Established Dental Clinics
by Dental Region and Location

Swift Current Dental Region

Location	School
Abbey	Abbey School
Burstall	Burstall School
Cabri	Cabri Elementary
Central Butte	Central Butte Elementary
Chaplin	Chaplin Elementary
Climax	Climax Elementary
Consul	Consul School
Eastend	Eastend School
Fox Valley	Fox Valley Elementary
Frontier	Frontier School
Gravelbourg	Gravelbourg Elementary
Gull Lake	Gull Lake Elementary
Herbert	Herbert Elementary
Hodgeville	Hodgeville Elementary
Kincaid	Kincaid School
Lancer	Lancer Elementary
Leader	Leader Elementary
Mankota	Mankota School
Maple Creek	Jasper Street Elementary
	Sidney Street Elementary
Morse	Morse School
Ponteix	Ponteix Elementary
Richmound	Richmound School
Shaunavon	Christ the King School
	Shaunavon Public School
Swift Current	Ashley Park Elementary
	Central Elementary
	Dickson Elementary
	Fairview Elementary
	James O. Begg Elementary
	Kinsman/Oman Elementary
Val Marie	Val Marie School
Vanguard	Vanguard Elementary
Wymark	Wymark Elementary
Total Clinics for 1981-82	34

Regina Dental Region

Location	School
Abernethy	Abernethy School
Arm River Colony	Arm River School
Assiniboia	Assiniboia Jr. High
Avonlea	Avonlea Elementary
Balcarres	Balcarres School
Balgonie	Balgonie Elementary
Bengough	Bengough School
Bethune	Bethune School
Briercrest	Briercrest School
Brownlee	Brownlee School
Caronport	Caronport Elementary
Ceylon	Ceylon Elementary
Coderre	Coderre School
Coronach	Coronach School
Crane Valley	Crane Valley School
Creelman	Creelman Elementary
Cupar	Cupar Elementary
Dysart	Dysart School
Fillmore	Fillmore School
Fort Qu'Appelle	Fort Qu'Appelle Elementary
Francis	Francis School
Gladmar	Gladmar High
Glenavon	Glenavon School
Goodwater	Goodwater Elementary
Govan	Govan Elementary
Grand Coulee	Grand Coulee School
Indian Head	Indian Head Elementary
Kelliher	Kelliher School
Lake Alma	Lake Alma Elementary
Lang	Lang Elementary
Lipton	Lipton Elementary
Lestock	Lestock Elementary
	Lestock High
Limerick	Limerick Elementary
Lumsden	Lumsden Elementary
McLean	McLean School
Marquis	St. Mark Separate Elementary
Midale	Midale School
Milestone	Milestone Elementary
Minton	Minton Elementary
Montmartre	Montmartre Separate Elementary
Moose Jaw	Alexander Elementary
	Bushell Park School
	Empire Elementary
	King Edward Elementary
	King George Elementary
	Lindale School
	Palliser Heights Elementary
	Prince Arthur Elementary
	Ross Elementary
	Sacred Heart Elementary
	St. Agnes Elementary
	St. Michael Elementary
	Westmount Elementary
	William Grayson Elementary
	Moose Jaw District Office

Regina Dental Region (continued)

Location	School
Mortlach	Mortlach School
Mossbank	Mossbank Health Clinic
Odessa	Odessa School
Ogema	Ogema School
Pangman	Pangman Elementary
Pilot Butte	Pilot Butte Elementary
Punnichy	Punnichy Elementary
	Punnichy High
Quinton	Quinton Elementary
Radville	Radville Elementary
	St. Olivers Elementary
Raymore	Raymore School
Regina	Argyle Elementary
	Athabasca Elementary
	Benson Elementary
	Birchwood Elementary
	Judge Bryant Elementary
	M. J. Coldwell Elementary
	Coronation Park Elementary
	R. J. Davidson Elementary
	Deshaye Separate Elementary
	Dieppe Elementary
	Elsie Dorsey Elementary
	Dover Elementary
	W. H. Ford
	Grant Road Elementary
	Dr. Hanna Elementary
	W. C. Howe Elementary
	Wilfred Hunt Elementary
	Henry Janzen Elementary
	Kitchener Elementary
	George Lee Elementary
	McLurg Elementary
	McNabb Elementary
	Marion McVeety Elementary
	Ethel Milliken Elementary
	Ruth Pawson Elementary
	Dr. A. E. Perry Elementary
	Al Picard School
	Regent Park Elementary
	Rosemont Elementary
	St. Anne Elementary
	St. Augustine Separate Elementary
	St. Bernadette Separate Elementary
	St. Dominic Savio Elementary
	St. Francis Separate Elementary
	St. Gregory Separate Elementary
	St. James Separate Elementary
	St. Jerome Separate Elementary
	St. Joan of Arc Separate Elementary
	St. John Separate Elementary
	St. Josephat Separate Elementary
	St. Leo Separate Elementary
	St. Luke Separate Elementary
	St. Mary Separate Elementary
	St. Matthew's Separate Elementary
	St. Patrick Separate Elementary
	St. Peter Separate Elementary
	St. Philip Separate Elementary
	St. Pius X Separate Elementary
	St. Timothy Separate Elementary
	Sherwood Elementary
	Transcona Elementary
	Walker Elementary
	Wascana Elementary
	Wascana Institute
	Maranatha Christian Centre
	Campbell Collegiate
	Central Collegiate
	Miller Comprehensive High School
	O'Neill High School
	Scott Collegiate
	Sheldon-Williams Collegiate
	Sister McGuigan High School
	Robert Usher Collegiate
	Wascana Hospital
Rockglen	Rockglen Elementary
Rouleau	Rouleau Elementary
Sedley	Sedley Elementary
Semans	Semans Elementary
Sintaluta	Sintaluta Elementary
Southey	Southey Elementary
Spring Valley	Artesian School
Strasbourg	Strasbourg Elementary
Vibank	Vibank Elementary
Weyburn	Elgin Elementary
	Haig Elementary
	Queen Elizabeth Elementary
	St. Dominic Savio Elementary
	Souris School
	Weyburn Jr. High
Willow Bunch	Willowbunch Elementary
Windthorst	Windthorst School
Wolseley	Dr. Isman Elementary
Wood Mountain	Wood Mountain School
Yellow Grass	Yellow Grass Elementary
Total Clinics for 1981-82	152

Saskatoon Dental Region

Location	School
Aberdeen	Aberdeen Elementary
Allan	Allan School
Asquith	Asquith School
Beechy	Beechy School
Borden	Borden School
Clavet	Clavet School
Colonsay	Colonsay School
Conquest	Conquest School
Craik	Craik School
Dalmeny	Dalmeny School
Davidson	Davidson School
Delisle	Delisle Elementary
Duck Lake	Stobart Elementary
Dundurn	Dundurn Elementary
Elbow	Elbow Elementary
Hague	Prince Philip Elementary
Hanley	Hanley School
Hepburn	Hepburn School
Holdfast	Holdfast School
Imperial	Imperial School
Kenaston	Kenaston School
Langham	Langham Elementary
Lanigan	Lanigan Elementary
Leroy	Leroy Medical Health Centre
Lucky Lake	Lucky Lake School
Martensville	Martensville Elementary
	Martensville High School
Nokomis	Nokomis School
Osler	R. J. Davidson Elementary
Outlook	Outlook Elementary
Perdue	Perdue School
Radisson	Radisson School
Rosthern	Rosthern Elementary
Saskatoon	Alvin Buckwold Elementary
	Bishop Klein Elementary
	Bishop Pocock Elementary
	Bishop Roborecki Elementary
	Boughton Elementary
	Brevoort Park Elementary
	Buena Vista Elementary
	Cardinal Leger Elementary
	Caroline Robins Elementary
	Caswell Elementary
	Christian Academy Elementary
	Churchill Elementary
	College Park Elementary
	Confederation Park Elementary
	Estey Elementary
	Fairhaven Elementary
	Father Vachon Elementary
	French School
	George Vanier Elementary
	Greystone Heights Elementary
	Grosvenor Park Elementary
	Haultain Elementary
	Henry Kelsey Elementary
	Holliston Elementary
	Holy Family Elementary
	Howard Coad Elementary
	Hugh Cairns Elementary
	John Lake Elementary
	King George Elementary
	Lakeview Elementary
	Lawson Heights Elementary
	Lester B. Pearson Elementary
	Lorne Haselton Elementary
	Mayfair Elementary
	McNab Park Elementary
	Montgomery Elementary
	North Park Elementary
	Pleasant Hill Elementary
	Prince Philip Elementary
	Princess Alexandra Elementary
	Queen Elizabeth Elementary
	River Heights Elementary
	Roland Michener Elementary
	Silverwood Elementary
	St. Anne Elementary
	St. Augustine Elementary
	St. Bernard Elementary
	St. Dominic Elementary
	St. Edward Elementary
	St. Frances Elementary
	St. George Elementary
	St. Gerard Elementary
	St. Goretti Elementary
	St. James Elementary
	St. John's Elementary
	St. Mark's Elementary
	St. Mary's Elementary
	St. Matthew Elementary
	St. Michael Elementary
	St. Paul's Elementary
	St. Philip Elementary
	St. Thomas Elementary
	Sister O'Brien Elementary
	South Corman Park Elementary
	Sutherland Elementary
	Thornton Elementary
	Victoria Elementary
	Vincent Massey Elementary
	Westmount Elementary
	Wildwood Elementary
	Wilson Elementary
	W. P. Bates Elementary
	University
	Aden Bowman Collegiate
	E. D. Feehan High School
	Mount Royal Collegiate
	Nutana Collegiate
	Sion High School
Strongfield	Strongfield Elementary
Vanscoy	Vanscoy Elementary
Viscount	Viscount Elementary
Vonda	Vonda Elementary
Waldheim	Waldheim School
Warman	Warman Elementary
	Warman High
Watrous	Watrous Elementary
Young	McClellan School
Total Clinics for 1981-82	120

Yorkton Dental Region

Location	School
Alida	Alida School
Archerwill	Archerwill School
Arcola	Arcola School
Arran	Arran School
Bellegarde	Bellegarde School
Bienfait	Bienfait School
Bredenbury	Bredenbury School
Broadview	M. B. Cope Elementary
Buchanan	Buchanan School
Canora	Canora Junior Elementary
	Canora Senior Elementary
Carnduff	Carnduff Elementary
Carlyle	Carlyle School
Churchbridge	Churchbridge Elementary
Esterhazy	P. J. Gillian School
	Esterhazy Central
Estevan	Hillcrest Elementary
	Hillside Elementary
	Pleasantdale Elementary
	Sacred Heart School
	St. Mary's School
	Scotsburn School
	Westview School
Endeavour	Endeavour Elementary
Foam Lake	Foam Lake Elementary
	Foam Lake Composite High
Grayson	Grayson School
Grenfell	Grenfell Elementary
Invermay	Invermay Elementary
Ituna	Ituna School
Kamsack	Victoria Elementary
	Kamsack Jr. High
Kelvington	Robert Melrose Elementary
Killaly	Killaly School
Kipling	Kipling School
Lampman	Lampman School
Langenburg	Parkside Elementary
Lemberg	Lemberg School
Lintlaw	Lintlaw Okla School
MacNutt	MacNutt School
Manor	Manor School
Maryfield	Maryfield School
Margo	Margo School
Melville	Melville Comprehensive
	Miller Elementary
Moosomin	Churchill School
Neudorf	Neudorf Elementary
Norquay	Norquay Elementary
	Norquay High
Oxbow	Mobile Home
Preeceville	Preeceville School
Quill Lake	Quill Lake Elementary
Rama	Rama School
Redvers	Redvers School
Rocanville	Rocanville School
Rose Valley	Rose Valley School
Saltcoats	Saltcoats Elementary
Sheho	Sheho School
Stockholm	Stockholm School
Storthoaks	St. Thomas School
Stoughton	Stoughton School
Sturgis	Sturgis Elementary
	Sturgis Composite High
Theodore	Theodore School
Wadena	Wadena Elementary
	Wadena Composite High
Wapella	Wapella School
Wawota	Wawota School
Whitewood	Whitewood School
Willowbrook	Willowbrook Elementary
Wishart	Wishart School
Wynyard	Wynyard Elementary
	Wynyard Composite High
Yorkton	Angus Spice Elementary
	Columbia Elementary
	Dr. Brass Elementary
	St. Mary's Elementary
	St. Paul's Elementary
	Simpson Elementary

Total Clinics 1981-82 79

Prince Albert Dental Region

Location	School
Albertville	Albertville Elementary
Annaheim	Annaheim School
Arborfield	Arborfield School
Big River	T. D. Michel Elementary
Birch Hills	Birch Hills Elementary
Bjorkdale	Bjorkdale School
Bruno	Bruno School
Canwood	Canwood Elementary
Carragana	Carragana Elementary
Carrot River	Carrot River Elementary
Cecil S.D. No. 130	Prince Albert East Central
Christopher Lake	Christopher Lake School
Codette	Codette Elementary
Crystal Springs	Dixon Lake School
Cudworth	Cudworth School
Davis	Osborne Elementary
Debden	Debden School
Domremy	Domremy School
Englefeld	Englefeld School
Garrick	Garrick Elementary
Gronlid	Gronlid School
Hudson Bay	Blake Beattie Elementary
	Stewart Hawke
Humboldt	Humboldt Elementary
	St. Augustine Elementary
	St. Dominic Elementary
Kinistino	Kinistino Elementary
Lake Lenore	Lake Lenore School
MacDowall	MacDowell Elementary
Meath Park	Meath Park Elementary
Melfort	Reynolds Central Elementary
Middle Lake	Middle Lake School

Prince Albert Dental Region (continued)

Location	School
Mistatim	Mistatim School
Muenster	Muenster School
Naicam	Naicam School
Nipawin	Alex Wright Elementary
	Wagner Elementary
Paddockwood	Paddockwood Elementary
Pleasantdale	Pleasantdale School
Porcupine Plain	Porcupine Plain School
Prairie River	Prairie River School
Prince Albert	Boucher Junior Elementary
	Berezowsky Elementary
	King George Elementary
	St. Marks Elementary
	Vickers School
	Wesmore Jr. High
Prince Albert Rural	West Central School
Prud'Homme	Prud'Homme School
Red Wing	Red Wing Elementary
Ridgedale	Ridgedale School
Sage Hill	Dana Elementary
St. Benedict	St. Benedict School
St. Brieux	St. Brieux School
St. Louis	St. Louis School
Shellbrook	Shellbrook Elementary
Shell Lake	Shell Lake Elementary
Smeaton	Smeaton School
Spalding	Spalding School
Spruce Home	Spruce Home Central Elementary
Star City	Star City School
Tisdale	Tisdale Elementary
Wakaw	Wakaw School
Watson	Watson Elementary
Weekes	Weekes High School
Weldon	Weldon School
White Fox	White Fox School
Wild Rose	Wild Rose Central Elementary
Yellow Creek	Yellow Creek School
Zenon Park	Zenon Park School
Total Clinics for 1981-82	70

North Battleford Dental Region

Location	School
Alsask	DND School
Battleford	Battleford Central School
	St. Vital Elementary
Biggar	Nova Wood Elementary
Blaine Lake	Blaine Lake School
Cando	Cando School
Cochin	Cochin Elementary
Coleville	Rossville Elementary
Cut Knife	Cut Knife Elementary
Denzil	Denzil Elementary
Dinsmore	Dinsmore Elementary
Dodsland	Dodsland Elementary
Dorintosh	Dorintosh Elementary
Eatonia	Eatonia School
Edam	H. Hardcastle School
Elrose	Elrose School
Eston	Eston Elementary
Glaslyn	Glaslyn School
Goodsoil	Goodsoil Central School
Hafford	Hafford School
Harris	Harris-Tessier School
Hillmond	Hillmond Central School
Kerrobert	Mary Rodney Elementary
Kindersley	Kindersley School Unit Office
Kyle	Kyle School
Landis	Landis School
Lashburn	J. H. Moore Elementary
Leask	Leask School
Leoville	Leoville School
Livelong	Livelong Elementary
Lloydminster	E. S. Laird School
	Father Gorman Elementary
	Neville Goss Elementary
	Winston Churchill Elementary
Loon Lake	Ernie Studer School
Luseland	Luseland Elementary
Macklin	Macklin Elementary
Maidstone	Ratushniak Elementary
Major	Major School
Makwa	Makwa School
Marcelin	Marcelin School
Marengo	Westcliffe School
Marsden	Marsden Elementary
Marshall	Marshall Elementary
Mayfair	Mayfair School
Maymont	Maymont Central School
Meadow Lake	Jubilee Elementary
	Lakeview Elementary
Medstead	Medstead Elementary
Milden	Milden Central School
North Battleford	Bready Elementary
	Lawrence Elementary
	McKitrick Elementary
	Notre Dame Elementary
Neilburg	Neilburg Composite School
Paradise Hill	Paradise Hill Elementary
Paynton	Paynton School
Pierceland	Pierceland Elementary
Plenty	Plenty Elementary
Rabbit Lake	Rabbit Lake Elementary
Rosetown	Walter Aseltine Elementary
St. Walburg	St. Walburg Public
Sonningdale	Sonningdale School
Spiritwood	Spiritwood Elementary
Tramping Lake	Tramping Lake School
Turtleford	Turtleford School
Unity	St. Peter's Elementary
	Unity Elementary
Wilkie	Norman Carter Elementary
	St. George Separate School
Wiseton	Wiseton Elementary
Total Clinics for 1981-82	71
Total Number of Clinics — All Regions	526